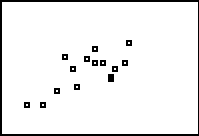
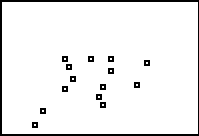
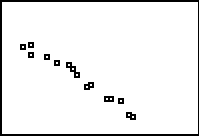
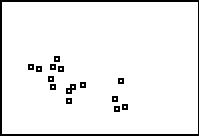
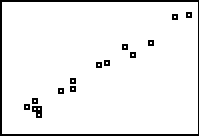
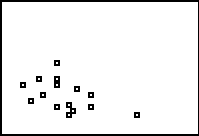
**AP Stat- Ch. 7- Interpreting Scatterplots Worksheet 7A**

**Class A Class B Class C**

**  **

**Class D Class E Class F**

**  **

Consider the above scatterplots of hypothetical scores on the first and second exams of a course. The horizontal axis represents the first exam and the vertical axis represents the second exam. Each axis is formatted form 50 to 100 with a scale of 5.

Describe the scatterplots above (form, direction, strength), then fill in the table below with the appropriate letter of each graph

A:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Strong** | **Moderate** | **Weak** |
| **Negative** |  |  |  |
| **Positive** |  |  |  |

B:

C:

D:

E:

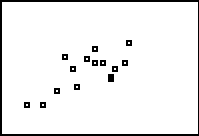
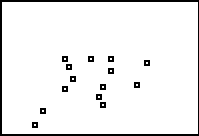
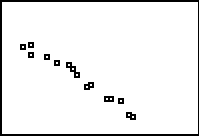
F:

For the pairs of variables below, indicate what you would expect for the direction (positive, negative, scattered) and the strength (none, weak, moderate, strong) of the association.

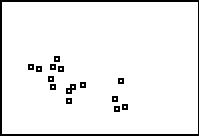
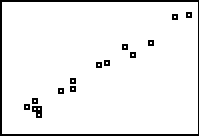
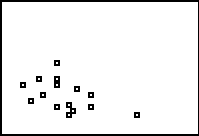
1. Height and armspan
2. Height and shoe size
3. Height and GPA
4. SAT score and college GPA
5. Latitude and average January temperature of American cities
6. Lifespan and weekly cigarette consumption
7. Serving size and calories of fast food sandwiches
8. Air fare and distance to destination

**AP Stat- Ch. 7- Interpreting Scatterplots Worksheet 7A**

**Class A Class B Class C**

**  **

**Class D Class E Class F**

**  **

Consider the above scatterplots of hypothetical scores on the first and second exams of a course. The horizontal axis represents the first exam and the vertical axis represents the second exam. Each axis is formatted form 50 to 100 with a scale of 5.

Describe the scatterplots above (form, direction, strength), then fill in the table below with the appropriate letter of each graph

A:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Strong** | **Moderate** | **Weak** |
| **Negative** |  |  |  |
| **Positive** |  |  |  |

B:

C:

D:

E:

F:

For the pairs of variables below, indicate what you would expect for the direction (positive, negative, scattered) and the strength (none, weak, moderate, strong) of the association.

1. Height and armspan
2. Height and shoe size
3. Height and GPA
4. SAT score and college GPA
5. Latitude and average January temperature of American cities
6. Lifespan and weekly cigarette consumption
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